



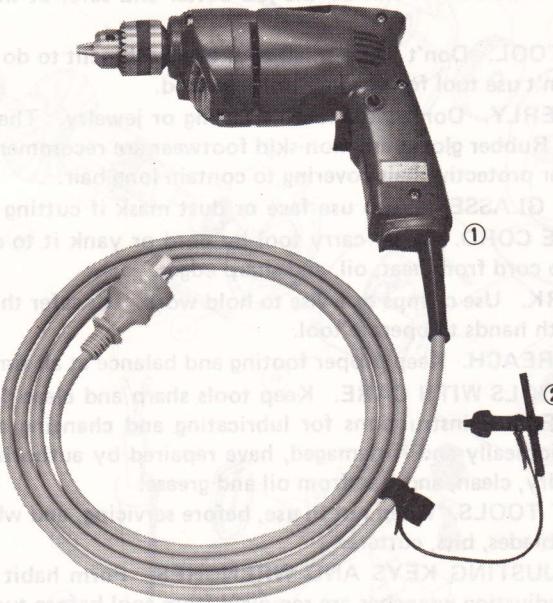
IMPORTANT SAFETY INSTRUCTIONS

# Makita Drill

**10 mm (3/8") MODEL 6510LVR****Variable Speed / Reversing**

## INSTRUCTION MANUAL

### Drill & Standard Equipment

**DOUBLE  
INSULATION****① Tool body****② Chuck key**

### Specifications

Drilling capacities		Continuous rating (Input)	No load speed	Overall length	Net weight	Power supply cord
Steel	Wood					
10 mm (3/8")	18 mm (3/4")	330 W	0 - 1,050 R/min.	242 mm (9-1/2")	1.48 kg (3.3 lbs)	2.5 m (8.2 ft.)

\* Manufacturer reserves the right to change specifications of parts and accessories without notice.

\* Note: Specifications of parts and accessories may vary from country to country.

## **IMPORTANT SAFETY INSTRUCTIONS**

**WARNING:** When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

### **READ ALL INSTRUCTIONS.**

- 1. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- 2. CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
- 3. KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
- 4. STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place – out of reach of children.
- 5. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- 6. USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
- 7. DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 8. USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
- 9. DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 10. SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 11. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 12. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Keep handles dry, clean, and free from oil and grease.
- 13. DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
- 14. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 15. AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
- 16. OUTDOOR USE EXTENTION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- 17. STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
- 18. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or

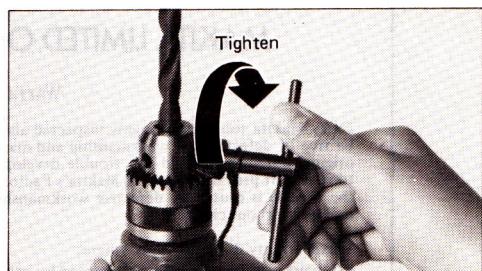
- replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
- 19. When drilling into walls, floors or whatever "live" electrical wires may be encountered. DO NOT TOUCH THE CHUCK OR ANY FRONT METAL PARTS OF THE DRILL.** Hold the Drill only by the plastic handle or the side grip to prevent electric shock if you drill into a "live" wire.
- 20. GUARD AGAINST ELECTRIC SHOCK.**  
Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
- 21. REPLACEMENT PARTS.** When servicing, use only identical replacement parts.  
**SAVE THESE INSTRUCTIONS.**

**VOLTAGE WARNING:** Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in SERIOUS INJURY to the user — as well as damage to the tool. If in doubt, DO NOT PLUG IN THE TOOL. Using a power source with voltage less than the nameplate rating is harmful to the motor.

## How to use

### 1. Chuck

When installing a drill bit with the chuck key, notice that there are three holes in the chuck where the bit should be tightened, not just one. Tighten evenly gradually at all three holes in order. (as you would mount a tire.)



### 2. Drilling in Wood

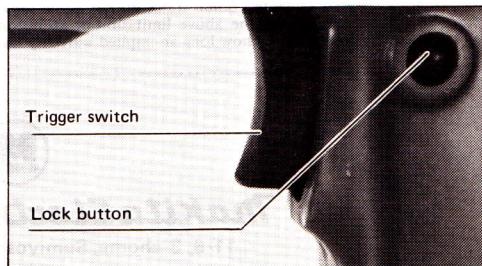
In drilling holes in wood using a wood drill with a guide screw, there is no need to bear down on the tool. The guide screw makes it bore naturally by itself.

### 3. Drilling in Metal

Use a cutting lubricant when drilling metal. But do not use a lubricant for iron or brass drilling.

### 4. Speed Control Switch

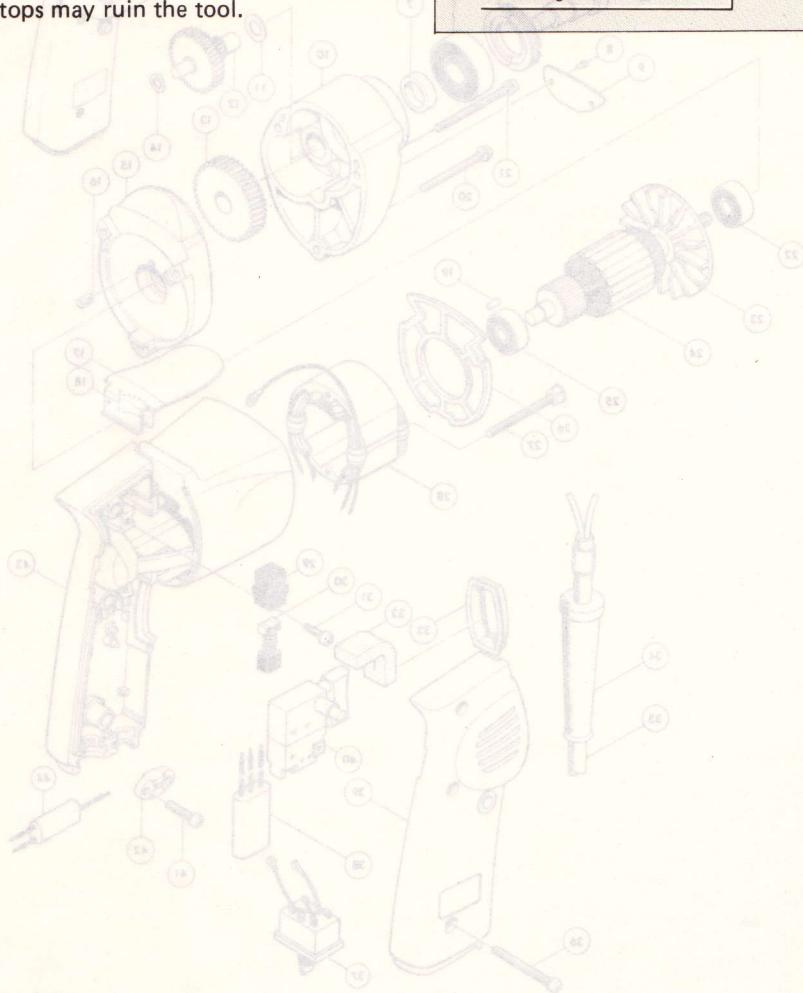
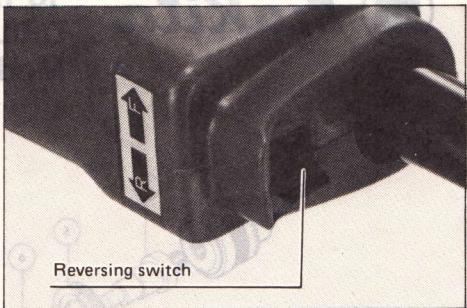
Motor speed is in terms of trigger-pressure. The tool stops when the trigger is released. Constant speeds are obtained by pushing in the lock button; the speed "locks" and the trigger may be released. Grasping it and releasing it again will stop the motor.



## 5. Reversing Switch

The reversing switch is found on the heel of the handle. To change the direction of revolution, switch to "F" for right, "R" for left. (Always check the direction before drilling.)

\* Never reverse directions (reversing switch) until the tool has come to a complete stop. Reversing before it stops may ruin the tool.

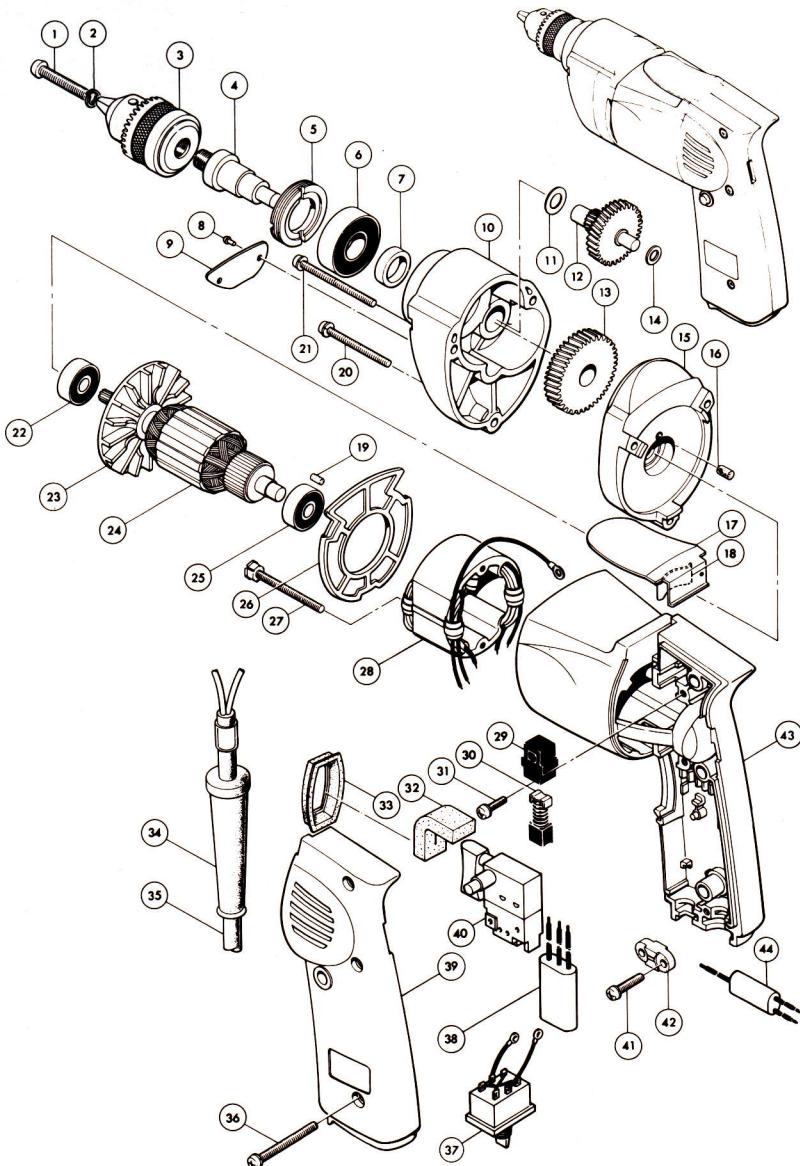


Note: The switch, noise suppressor and after best configuration  
With filter flow control to control.



**Makita**

**10 mm (3/8")  
DRILL  
Model 6510LVR**



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<b>MACHINE</b>					<b>MACHINE</b>
1	1	P. H. Screw M5x18	23	1	Fan 58
2	1	S. Washer 5	24	1	ARMATURE ASSEMBLY (Assembled Items 22 - 25)
3	1	Drill Chuck S10	25	1	Ball Bearing 627LB
4	1	Spindle	26	1	Baffle Plate
5	1	Bearing Retainer 19-34	27	2	H. Bolt M4x45 (With Washer)
6	1	Ball Bearing 6002LLB	28	1	FIELD ASSEMBLY
7	1	Ring 15	29	2	Brush Holder
8	2	Rivet 0-5	30	2	Carbon Brush
9	1	Name Plate	31	2	P. H. Screw M4x14 (With Washer)
10	1	Gear Housing (With Plane Bearing 8)	32	2	Sponge Sheet
11	1	F. Washer 8	33	1	Dust Cover
12	1	Gear 13-40	34	1	Cord Guard
13	1	Helical Gear 53	35	1	CORD ASSEMBLY (Assembled Cord, Plug & Cord Guard)
14	1	F. Washer 6	36	3	P. H. Screw M4x28 (With Washer)
15	1	Gear Housing Cover (With Item 16)	37	1	Reversing Switch
16	1	Rubber Pin 4	38	1	Noise Suppressor
17	1	Hook	39	1	Handle Cover
18	1	Leaf Spring	40	1	Switch
19	1	Rubber Pin 4	41	2	P. H. Screw M4x18 (With Washer)
20	1	P. H. Screw M4x40 (With Washer)	42	1	Strain Relief
21	2	P. H. Screw M4x60 (With Washer)	43	1	Motor Housing (With Item 19)
22	1	Ball Bearing 608LB			

Note: The switch, noise suppressor and other part specifications may differ from country to country.

## MAKITA LIMITED ONE YEAR WARRANTY

### Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- there is evidence of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.



***Makita Electric Works, Ltd.***

11-8, 3-chome, Sumiyoshi-cho, Anjo, Aichi 446, Japan